

Electromagnet Lab  
AP Physics

20 Points Total

The goal of this lab is to use the electromagnet to pick up as many paper clips as possible. There are various types of wire and cores for the electromagnets, and we need to test several combinations. Write a plan, create the electromagnet, take data, and draw conclusions about the combinations of wire and cores.

1. Plan for creating the electromagnetic (4 points).
2. Physical drawing and circuit drawing (4 points).
3. Data table (4 points).
4. Sources of error and improvements (4 points; 2 points each).
5. Conclusions about wire and cores, using your data to back up the conclusions (4 points).